

AMENDMENTS TO THE SPECIFICATION

Please replace the last paragraph, line 23, page 4 with the following amended paragraph:

Fig. 2 is a schematic diagram of a radio frequency beamsplitter 20 comprising a highly asymmetric Mach-Zehnder interferometer [[20]]. This is arranged with an input port 22 to receive a radio frequency input signal A_{in} . The arrow indicates directions of propagation of internal optical fields. A first partially transmitting mirror 24 which splits the optical input A_{in} into first 26 and second 28 paths. First 30 and second 32 mirrors redirect the first 26 and second 28 paths. In the second path 28 there is a time delay element 34 to introduce a differential time delay τ into the second path. The two paths are then mixed again at a second partially transmitting mirror 36 to form two outputs A_1 and A_2 .

Please amend the first sentence of paragraph 2 on page 7, line 8, as follows:

The output fields A_3 , after reflection in mirror 48, and A_4 pass through the second Mach-Zehnder interferometer [[20']].

Please amend the first sentence of the last paragraph on page 8, line 29 as follows:

The backward travelling fields A_5 and A_6 make a second pass of the Mach-Zehnder interferometer [[20]].